

JOB SHEET 10-8
BACKING UP FILES
(From PUP Database to SCSI Tape)

INTRODUCTION

The PUP product database can be saved to a one-quarter inch SCSI Tape (in addition to the Archive IV Optical Disk) and then reloaded to the database for later investigation. More importantly, system files stored on SCSI tape for protection can be saved and reloaded into the PUP using the "BACKUP" procedure. These files include Adaptation Data (Product Colors, Adaptation RPS Lists, Non-Associated RPG telephone numbers, etc.), Background Map files, User Function definitions, and Time Lapse files.

Using the BACKUP utility program requires the use of OS/32 commands; these include LOAD and START. The CANCEL command may be used if you make a typing error.

This procedure may require prior approval by your instructor or focal point.

OBJECTIVE

Using the PUP Applications Terminal, PUP System Console, and 1/4 inch SCSI tape drive, you will be able to load data from the PUP onto a SCSI tape.

REFERENCE

NWS EHB 6-531, OPERATION INSTRUCTIONS: PUP GROUP, Table 2-2.12

PROCEDURE

NOTE - ***Step 2 need not be done in lab.*** It should be considered, however, when in the field to give your users some warning of a system shut-down. You may also consider sending a PUP Text Message to keep your users informed of your status.

1. At the PUP Applications Terminal, type **A,C,A** and press **RETURN**.
 - If an Archive function is running it is canceled.
2. Follow office procedures to notify your users that the PUP is going down.

3. At the PUP System Console, type **PUPDOWN** and press **RETURN**.
 - This command clears the PUP software from memory.
 - The PUPDOWN process checks the status of Archive IV. If archive is active, the message: *****CANCEL ARCHIVE BEFORE BRINGING PUP DOWN***** displays.
4. Check the SCSI tape cartridge and ensure the arrow on the screw is pointing away from safe.
 - Pointing the arrow away from safe, allows the tape to be written on.
CAUTION: *This procedure overwrites any data already on the tape.*
5. At the PUP Computer Cabinet, insert the SCSI tape into the drive. Then push the lever to the right, this locks the tape into the drive and rewinds it.

STEPS 6 THROUGH 13 ARE PERFORMED AT THE PUP SYSTEM CONSOLE

6. At the OS/32 prompt '*', type **L BACKUP,500** and press **RETURN**.
 - The **L** is a shortcut command for **LOAD**. In OS/32, a task must be loaded into memory before it can be executed. This is done with the **LOAD** command.
 - **BACKUP** is the task identifier. The **500** reserves a working space in memory for the **BACKUP** task to use.
 - The response is **TSKID = BACKUP**
7. Type **ST** and press **RETURN**.
 - **ST** is short for the **START** command. The **START** command is necessary to execute a task once it has been loaded.
 - The system responds with the following prompt: **BACKUP>**

TYPE THE FOLLOWING AT THE BACKUP> AND PRESS **RETURN** AFTER EACH.

8. **I=DSC0:** Input device = Hard Disk
 O=ST0: Output device = Storage Tape (SCSI)
 L=CON: All List output is directed to the Console
 SEL=CON: Used if Selecting certain files off the disk for copying
 or loading.
 SIZ=250 Size in Kilobytes of output buffer (used for disk-to-tape
 operations.)
 END Ends the input of information to the BACKUP task.
- The response is: *BACKUP>
- If you make a typographical error, the BACKUP task may pause. Type **CA
BACKUP**, short for **CANCEL**, to cancel the task. When using the CANCEL command, specify the task to be canceled. After the task is canceled, go back to step 6.
9. Type the data files you need and press **RETURN** after each. Below is a list of the files to save.
 BACKGRND.DAT original background map files
 EBMFILE.DAT edited background map files
- The response is: *BACKUP>
10. Type **/** [dot slash] and press **RETURN**.
- This is an end of data indicator telling the backup process to begin.
11. Periodically type **D L** and press **RETURN**.
- This is short for the OS/32 command **D**isplay **L**ogical Units. It shows the progress of the file transfer (% completed) along with the logical assignments.
- When the task is complete, the response is: END OF TASK Ø .

NOTE: if the end of task code is not Ø, a problem may have occurred in the backup procedure and you should redo it.

12. Take the SCSI tape out of the tape drive, turn the arrow towards safe and store the tape.
13. At the PUP System Console, type **PUPUP** and press **RETURN**.

END